

signals,

- regenerating the electrical channel signals utilising at least 2R regeneration,
- converting and multiplexing at least one of the electrical channel signals into an outgoing WDM optical signal,
- converting at least one of the electrical channel signals into an optical signal;
- and dropping the optical signal at the network node.

20. A method of transmitting communication data in a WDM communications network, the method comprising the steps of, at a network node of the WDM communications network:


- demultiplexing an incoming WDM optical signal
- converting the incoming WDM optical signal into a plurality of electrical channel signals,
- regenerating the electrical channel signals utilising at least 2R regeneration,
- converting and multiplexing at least one of the electrical channel signals into an outgoing WDM optical signal,
- receiving at least one single wavelength optical signal,
- converting it into a corresponding electrical signal,
- converting and multiplexing the corresponding electrical signal into the outgoing WDM optical signal.

REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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